

03040201-090

(Three Creeks)

General Description

Watershed 03040201-090 is located in Marlboro County and consists primarily of **Three Creeks** and its tributaries. The watershed occupies 79,639 acres of the Upper and Lower Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Norfolk-Wagram-Rutledge series. The erodibility of the soil (K) averages 0.22; the slope of the terrain averages 2%, with a range of 1-10%. Land use/land cover in the watershed includes: 30.7% agricultural land, 29.6% scrub/shrub land, 25.0% forested land, 11.2% forested wetland (swamp), 2.4% urban land, 1.0% water, and 0.1% barren land.

Cottingham Creek (Covington Millpond, Sandy Ocean, Carters Branch) originates near the City of Bennettsville and joins with Hagins Prong to form the headwaters of Three Creeks (Monroe Branch, Drakes Millpond, Big Branch). The Three Creeks Watershed flows into the Pee Dee River. Also flowing into the Pee Dee River from this watershed is Muddy Creek (Machine Branch, Riggins Branch), located upstream of Three Creeks. There are several ponds (151.1 acres) in this watershed and a total of 86.7 stream miles, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-336	S	FW	HAGINS PRONG AT SC ROUTE 381
PD-341	W	FW	THREE CREEKS AT SC 381 AT BLENHEIM

Hagins Prong (PD-336) - Aquatic life uses are fully supported. This is a secondary monitoring station and sampling is purposely biased towards periods with potentially low dissolved oxygen concentrations. This stream frequently does not flow at the monitoring location. Although dissolved oxygen and pH excursions occurred, they were typical of values seen in stagnant streams and were considered natural, not standards violations. There is a significant increasing trend in pH. A significant decreasing trend in turbidity suggests improving conditions for this parameter. Recreational uses are fully supported and a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

Three Creeks (PD-341) - Aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentrations. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are fully supported.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

COMMENT

NPDES#

TYPE

LIMITATION

RIGGINS BRANCH
HANSON AGGREG. BECKER/BLENHEIM
PIPE #: 001 FLOW: M/R

SCG730039
MINOR INDUSTRIAL
EFFLUENT

HAGINS PRONG
TOWN OF CLIO
PIPE #: 001 FLOW: 0.3
WQL FOR DO,TRC,NH3N

SC0040606
MINOR DOMESTIC
WATER QUALITY

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME

FACILITY TYPE

PERMIT

STATUS

MARLBORO COUNTY LANDFILL
MUNICIPAL

351001-1601 (351001-1201)

OLD MARLBORO COUNTY LANDFILL
MUNICIPAL

DWP-027
CLOSED

CITY OF BENNETTSVILLE LANDFILL
MUNICIPAL

DWP-075; 351001-1101; DWP-132
CLOSED

CITY OF BENNETTSVILLE LANDFILL
MUNICIPAL

DWP-096
CLOSED

CITY OF BENNETTSVILLE TRANSFER STA.
MUNICIPAL

351002-6001
CLOSED

Growth Potential

There is a low to moderate potential for growth in this rural watershed, which contains the Towns of Clio, Tautm, and Blenheim, and a portion of the City of Bennettsville. The watershed is bisected by S.C. Hwy. 9, S.C. Hwy. 38, and U.S. Hwys. 15/401. S.C. Hwy. 38 is a four-lane highway and runs from Bennettsville through Blenheim to I-95. S.C. Hwy. 9 runs from Clio to Bennettsville, and U.S. Hwys. 15/401 is a bypass around the City of Bennettsville. The bypass area is expected to see increased commercial growth. Several of the small towns have water service, but only Clio and the areas near Bennettsville provide sewer service.